Egen Coding Challenge – Level 1

Restful web service for User Management application using

- Spark Java
- MongoDB

Services developed

1. createUser

- Takes input as JSON.
- Creates the user if he is not already available in the data store.

2. getAllUsers

• Gives the list of all users that are in the data store

3. UpdateUser

- Takes input as JSON and Finds the user from the data store
- if found, updates the required fields
- if not found, sends back a 404 saying user not found

4. getUserByEmail

• Finds and gives the user details based on email.

Tests

• Developed controller integration tests using Junit

Assumptions

- **Email** attribute of user is considered as unique.
- User id is auto-generated by ObjectId

Steps to run the project

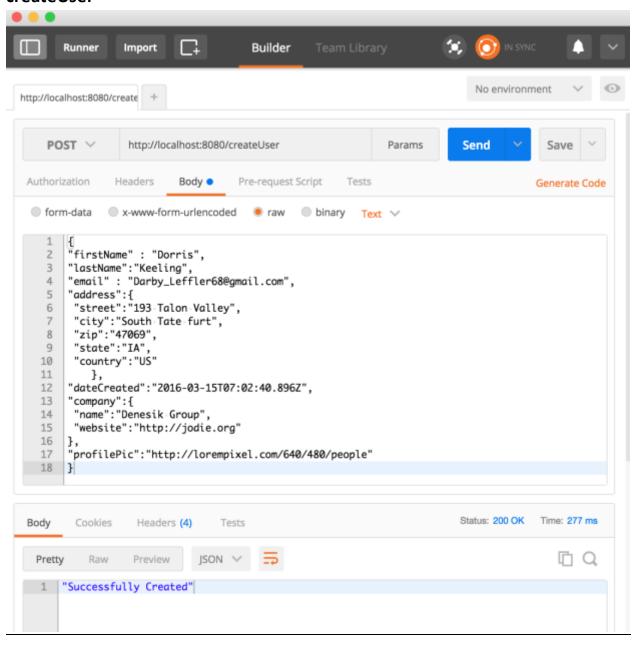
- Install Maven and MongoDB
- Get all the dependencies in Maven
- To execute, run main method under com.egen.restfulapp.Main

Tools and Technologies used

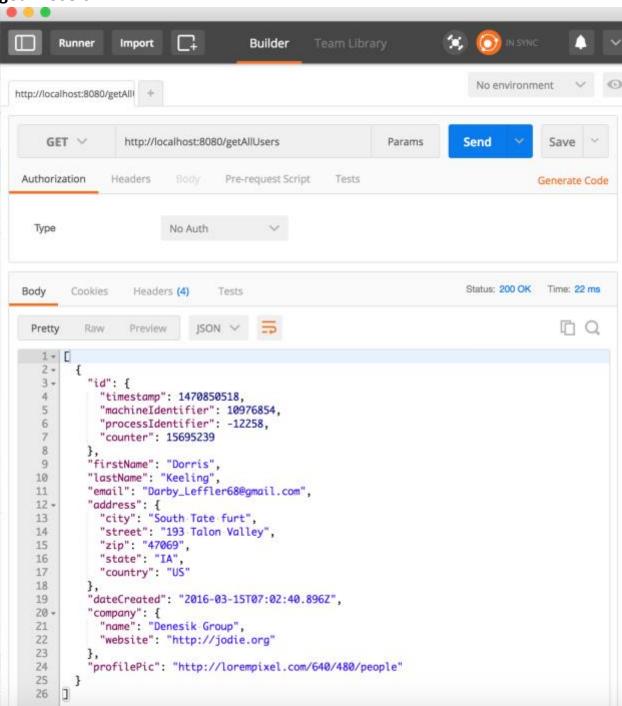
- Spark Java, MongoDB, Morphia, SLF4J and JUnit
- Eclipse, Postman and Robomongo

Project Execution Screenshot's

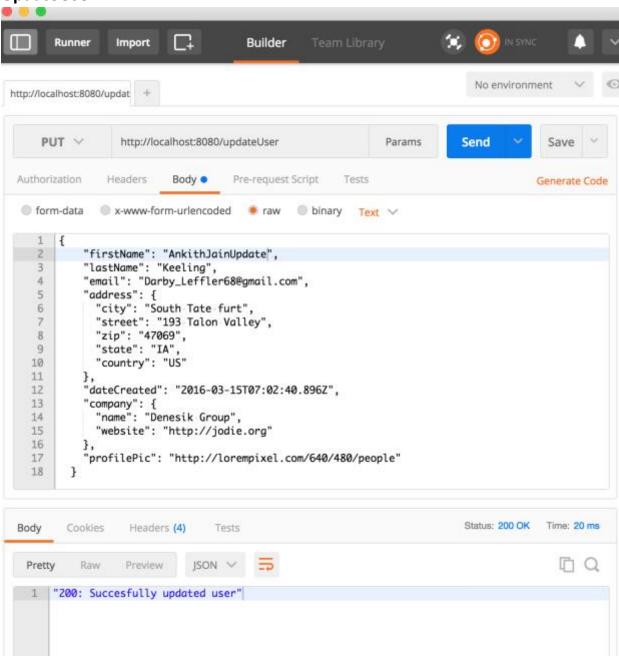
1. createUser



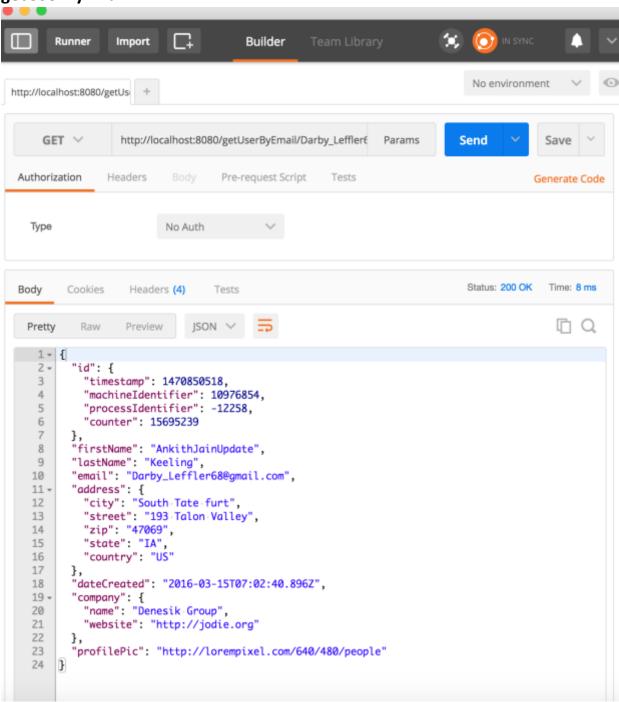
2. getAllUsers



3. UpdateUser



4. getUserByEmail



Tests

